



**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: 15270J-005912US

Dale B. SCHENK

Appln. No.: 09/724,575

Group Art Unit: 1649

Confirmation No.: 6096

Examiner: Kolker, Daniel B.

Filed: November 28, 2000

For: PREVENTION AND TREATMENT  
OF AMYLOIDOGENIC DISEASE

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 and §1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited on February xx, 2006 with the United States Postal Service in an envelope as "Express Mail Post Office To Addressee," mailing label No. EV 749 121 096 US addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

2/21/06  
Date

Monica Moreno  
Monica Moreno

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. Copies of references 588-618, 620-641, 648-656, 662-666, 676-678, 681-682, 687-690 and 694-695 are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Applicant also cites commonly owned copending applications directed to related subject matter:

09/201,430 filed 11/30/98 issued as U.S. 6,787,523 on 09/07/04;

09/497,553 filed 02/03/00;

Application No. 09/724,575  
Supplemental Information Disclosure Statement

09/724,477 filed 11/28/00 issued as U.S. 6,787,143 on 09/07/04;  
09/723,927 filed 11/28/00 issued as U.S. 6,787,138 on 09/07/04;  
09/723,762 filed 11/28/00 issued as U.S. 6,787,144 on 09/07/04;  
09/724,102 filed 11/28/00 issued as U.S. 6,787,139 on 09/07/04;  
09/724,489 filed 11/28/00 issued as U.S. 6,787,140 on 09/07/04;  
10/816,022 filed 03/31/04 issued as U.S. 6,866,850 on 03/15/05;  
10/816,529 filed 03/31/04 issued as U.S. 6,818,218 on 11/16/04;  
10/815,391 filed 03/31/04 issued as U.S. 6,866,849 on 03/15/05;  
10/934,818 filed 09/02/04;  
10/934,609 filed 09/02/04 issued as U.S. 6,946,135 on 09/20/2005;  
10/933,559 filed 09/02/04 issue fee paid 01/24/05;  
10/934,819 filed 09/02/04;  
10/815,353 filed 03/31/04 issued as U.S. 6,808,712 on 10/26/04;  
10/816,380 filed 03/31/04 issue fee paid 01/24/05;  
10/815,404 filed 03/31/04 issue fee paid 11/12/04;  
10/884,892 filed 07/01/04 issued as U.S. 6,962,707 on 11/08/05  
09/322,289 filed 05/28/99;  
09/723,713 filed 11/27/00;  
09/723,760 filed 11/27/00;  
09/724,319 filed 11/27/00;  
09/723,384 filed 11/27/00 issued as U.S. 6,710,226 on 03/23/04;  
09/724,495 filed 11/27/00;  
10/788,666 filed 02/27/04;  
10/429,216 filed 05/30/03;  
10/828,548 filed 04/19/04;  
10/923,471 filed 08/20/04;  
10/923,474 filed 08/20/04;  
10/928,926 filed 08/27/04;  
10/923,605 filed 08/20/04;

Application No. 09/724,575  
Supplemental Information Disclosure Statement

10/923,267 filed 08/20/04;  
10/923,469 filed 08/20/04;  
09/580,015 filed 05/26/00;  
09/724,940 filed 11/28/00 issued as U.S. 6,905,686 on 06/14/05;  
09/724,961 filed 11/28/00 issued as U.S. 6,743,427 on 06/01/04;  
09/580,018 filed 05/26/00 issued as U.S. 6,761,888 on 07/13/04;  
09/724,552 filed 11/28/00 issued as U.S. 6,750,324 on 06/15/04;  
09/723,544 filed 11/28/00;  
09/724,273 filed 11/28/00;  
09/724,551 filed 11/28/00 issued as U.S. 6,787,637 on 09/07/04;  
09/724,288 filed 11/28/00;  
10/777,792 filed 02/11/04;  
10/890,024 filed 04/12/04;  
10/889,999 filed 04/12/04;  
10/890,000 filed 07/12/04;  
10/890,070 filed 07/12/04;  
10/890,071 filed 07/12/04;  
09/580,019 filed 05/26/00;  
09/723,765 filed 11/28/00;  
09/724,291 filed 11/28/00;  
10/822,968 filed 04/12/04;  
09/724,929 filed 11/28/00;  
09/724,567 filed 11/28/00 issued as U.S. 6,890,535 on 05/10/05;  
09/724,575 filed 11/28/00;  
09/724,953 filed 11/28/00 issued as U.S. 6,875,434 on 04/05/05;  
09/724,570 filed 11/28/00 issued as U.S. 6,936,246 on 08/30/05;  
09/585,656 filed 06/01/00;  
09/723,766 filed 11/27/00;  
09/723,725 filed 11/27/00;

Application No. 09/724,575  
Supplemental Information Disclosure Statement

09/579,690 filed 05/26/00;  
09/979,701 filed 03/13/01 (U.S. Nat'l Stage of PCT/US00/14810 filed 05/26/00);  
09/979,952 filed 04/09/02 (U.S. Nat'l Stage of PCT/US00/15239 filed 06/01/00);  
issued as U.S. 6,913,745 on 07/05/05; and,  
09/980,568 filed 03/12/02 (U.S. Nat'l Stage of PCT/US00/15302 filed 06/01/00).

Applicant also cites the following copending applications directed to related  
subject matter but subject to different assignment:

10/010,942 filed 12/06/01;  
10/789,273 filed 02/27/04;  
10/232,030 filed 08/30/02;  
10/010,942 filed 12/06/01;  
10/388,389 filed 03/12/03;  
10/703,713 filed 11/07/03;  
10/704,070 filed 11/07/03;  
10/388,214 filed 03/12/03;  
10/858,855 filed 06/01/04;  
10/771,174 filed 02/04/04.

Applicant further cites the following commonly owned abandoned applications  
directed to related subject matter:

60/067,740 filed 12/02/97;  
60/080,970 filed 04/07/98;  
60/067,219 filed 12/03/97;  
60/079,697 filed 03/27/98;  
09/204,838 filed 12/03/98;  
09/724,921 filed 11/28/00;  
09/724,929 filed 11/28/00;  
60/137,010 filed 06/01/99;  
60/251,892 filed 12/06/00;

Application No. 09/724,575  
Supplemental Information Disclosure Statement

60/137,047 filed 06/01/99;  
60/136,655 filed 05/28/99;  
09/723,544 filed 11/28/00;  
60/622,525 filed 10/26/04;  
60/636,684 filed 12/15/04;  
60/636,842 filed 12/15/04;  
60/637,253 filed 12/16/04;  
60/636,810 filed 12/15/04;  
60/637,138 filed 12/16/04;  
60/636,776 filed 12/15/04; and  
60/636,687 filed 12/15/04.

Applicant also cites the following abandoned application directed to related subject matter but subject to different assignment:

60/251,892 filed 12/06/00;  
60/474,654 filed 05/30/03;  
60/530,481 filed 12/17/03;  
60/444,150 filed 02/01/03; and,  
60/363,751 filed 03/12/02.

Applicant points out that the following applications are now commonly assigned but were previously subject to different assignment than the present application:

60/067,219 filed 12/03/97;  
60/079,697 filed 03/27/98;  
09/204,838 filed 12/03/98;  
09/724,921 filed 11/28/00; and,  
09/724,929 filed 11/28/00.

Applicant understands the Examiner can access papers from the prosecution of the cited cases electronically via PALM. However, if the Examiner has difficulty obtaining

Application No. 09/724,575  
Supplemental Information Disclosure Statement

papers from that source he or she is invited to call the undersigned who will be happy to supply them.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance. Please charge the IDS fee of \$180 to Deposit Account No. 19-4880. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

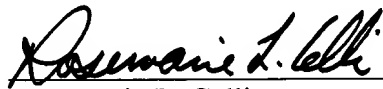
SUGHRUE MION, PLLC  
Telephone: (650) 625-8100  
Facsimile: (650) 625-8110

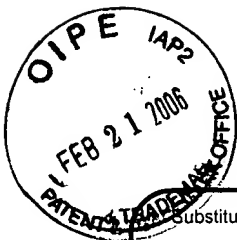
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**23493**

CUSTOMER NUMBER

Date: February 21, 2006  
35654-1

  
Rosemarie L. Celli  
Registration No. 42,397



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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 7

**Complete if Known**

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Kolker, D. E.
Attorney Docket Number	15270J-005912US

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	686	6,972,127	12-06-2005	Schenk	
	679	2005/0255122 A1	11-17-2005	Schenk	
	680	2005/0249727 A1	11-10-2005	Schenk	
	674	6,962,707	11-08-2005	Schenk	
	656	6,946,135	09-20-2005	Schenk	
	693	2005/0191314 A1	09-01-2005	Schenk	
	685	2005/0163788 A1	07-28-2005	Schenk	
	657	6,913,745	07-05-2005	Schenk	
	658	6,905,686	06-14-2005	Schenk	
	659	6,890,535	05-10-2005	Schenk	
	683	2005/0059802 A1	03-17-2005	Schenk et al.	
	684	2005/0059591 A1	03-17-2005	Schenk et al.	
	661	2005/0009150 A1	01-13-2005	Basi et al.	
	673	6,808,712	10-26-2004	Schenk	
	667	6,787,523	09-07-2004	Schenk	
	670	6,787,144	09-07-2004	Schenk	
	668	6,787,143	09-07-2004	Schenk	
	672	6,787,140	09-07-2004	Schenk	
	669	6,787,138	09-07-2004	Schenk	
	671	6,787,129	09-07-2004	Schenk	
	660	2004/0171815 A1	09-02-2004	Schenk et al.	
	642	5,702,906	12-30-1997	Rosenthal	
	643	5,693,762	12-02-1997	Queen et al.	
	644	5,618,920	04-08-1997	Robinson et al.	
	619	5,530,101	06-25-1996	Queen et al.	
	645	5,258,498	11-02-1993	Huston et al.	
	646	4,816,567	03-28-1989	Cabilly et al.	
	647	4,816,397	03-28-1989	Boss et al.	
	691	11/245,524	filed 10-07-2005	Schenk	
	692	11/245,916	filed 10-07-2005	Schenk	

Examiner  
SignatureDate  
Considered

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 7

**Complete if Known**

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Kolker, D. E.
Attorney Docket Number	15270J-005912US

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	633	WO	96/08665	A2	03-21-1996			
	630	WO	95/17085	A1	06-29-1995			
	648	WO	91/09967	A1	07-11-1991			
	632	JP	07-132033	A	05-23-1995			abst. only
	631	JP	62-267297	A	11-19-1987			abst. only

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231 35655-1





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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 3 of 7

**Complete if Known**

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Kolker, D. E.
Attorney Docket Number	15270J-005912US

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

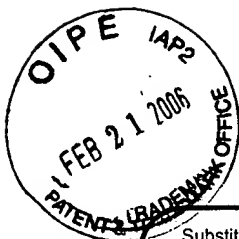
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	663	ALBERTS et al., eds. <i>Molecular Biology of The Cell, Third Edition</i> , chapter 23, pages 1208-1209 (1994).	
	649	AMIT et al., "Three-Dimensional Structure of an Antigen-Antibody Complex at 2.8 Å Resolution," <i>Science</i> , 233:747-753 (1986).	
	588	ANDERSON, J. P., "Exact cleavage site of Alzheimer amyloid precursor in neuronal PC-12 cells," <i>Neuroscience Letters</i> , 128(1):126-128 (1991).	
	589	ANDERSON, M. W., "Amending the amyloid hypothesis," <i>The Scientist</i> , 18(20):28-29 (2004).	
	677	ANKARCRONA et al., "Biomarkers for apoptosis in Alzheimer's disease," <i>Int. J. Geriatric Psychiatry</i> , 20:101-105 (2005).	
	681	AULD et al., "Alzheimer's disease and the basal forebrain cholinergic system: relations to $\beta$ -amyloid peptides, cognition, and treatment strategies," <i>Progress in Neurobiol.</i> , 68:209-245 (2002).	
	590	BACSKAI et al., "Non-Fc-mediated mechanisms are involved in clearance of amyloid- $\beta$ in vivo by immunotherapy," <i>J. Neurosci.</i> , 22(18):7873-7878 (2002).	
	639	Chimicon International, "Mouse Anti-Amyloid Beta Protein Monoclonal Antibody," Catalog # MAB1561	
	591	CHROMY et al., "Self-assembly of A $\beta$ (1-42) into globular neurotoxins," <i>Biochemistry</i> , 42(44):12749-12760 (2003).	
	592	CITRON et al., "Evidence that the 42- and 40- amino acid forms of amyloid- $\beta$ protein are generated from the $\beta$ -amyloid precursor protein by different protease activities," <i>PNAS</i> , 93(23):13170-13175 (1996).	
	593	CITRON, M., "Alzheimer's disease: treatments in discovery and development," <i>Nat. Neurosci.</i> , 5:1055-1057 (2002).	
	687	COX et al., "Adjuvants---a classification and review of their modes of action," <i>Vaccine</i> , 15(3):248-256 (1997).	
	689	DE LUSTIG et al., "Peripheral Markers and Diagnostic Criteria in Alzheimer's Disease: Critical Evaluations," <i>Rev. In Neurosciences</i> , 5:213-225 (1994).	
	594	DEMATOS et al., "Brain to plasma amyloid- $\beta$ efflux: a measure of brain amyloid burden in a mouse model of Alzheimer's disease," <i>Science</i> , 295(5563):2264-2267 (2002).	
	595	DODART et al., "Immunization reverses memory deficits without reducing brain A $\beta$ burden in Alzheimer's disease model," <i>Nat. Neurosci.</i> , 5(5):452-457 (2002).	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. 35655-1



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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 4 of 7

**Complete if Known**

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Kolker, D. E.
Attorney Docket Number	15270J-005912US

596	DODEL et al., "Immunotherapy for Alzheimer's disease," <u>Lancet Neurol.</u> , 2(4):215-220 (2003).
597	DOVEY et al., "Functional gamma-secretase inhibitors reduce beta-amyloid peptide levels in brain," <u>J. Neurochem.</u> , 76(1):173-181 (2001).
598	DUFF et al., "Increased amyloid- $\beta$ 42(43) in brains of mice expressing mutant presenilin 1," <u>Nature</u> , 383(6602):710-713 (1996).
599	ERIKSEN et al., "NSAIDs and enantiomers of flurbiprofen target $\gamma$ -secretase and lower A $\beta$ 42 in vivo," <u>J. Clin. Invest.</u> , 112(3):440-449 (2003).
600	FINDEIS, M. A., "Approaches to discovery and characterization of inhibitors of amyloid $\beta$ -peptide polymerization," <u>Biochem. Biophys. Acta</u> , 1502(1):76-84 (2000).
650	FOOTE et al., "Antibody Framework Residues Affecting the Conformation of the Hypervariable Loops," <u>J. Mol. Biol.</u> , 224:487-499 (1992).
601	FRENKEL et al., "Reduction of $\beta$ -amyloid plaques in brain of transgenic mouse model of Alzheimer's disease by EFRH-phage immunization," <u>Vaccine</u> , 21(11-12):1060-1065 (2003).
602	FRENKEL et al., "Towards Alzheimer's $\beta$ -amyloid vaccination," <u>Biologicals</u> , 29(3-4):243-247 (2001).
603	GELINAS et al., "Immunotherapy for Alzheimer's disease," <u>PNAS</u> , 101(suppl. 2):14657-14662 (2004).
634	Genbank Accession number AAB48800, "Anti-DNA immunoglobulin light chain IgG [Mus musculus]," 09/14/01.
635	Genbank Accession number CAA46659, "IgE antibody light chain(VJ)," 06/15/93.
636	Genbank Accession number X65775.1, "M.musculus DNA for IgE antibody light chain (VJ)," 06/15/93.
637	Genbank Accession number AAD26773, "Immunoglobulin heavy chain VH3609-JH3 region [Mus musculus]," 04/22/99.
604	GONG et al., "Alzheimer's disease-affected brain: presence of oligomeric A $\beta$ ligands (ADDLs) suggests a molecular basis for reversible memory loss," <u>PNAS</u> , 100(18):10417-10422 (2003).
605	GREENBERG et al., "Alzheimer disease's double-edged vaccine," <u>Nat. Med.</u> , 9(4):389-390 (2003).
694	GUPTA et al., "Adjuvants for human vaccines---current status, problems, and future prospects," <u>Vaccine</u> , 13(14):1263-1275 (1995).

Examiner  
SignatureDate  
Considered

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 5 of 7

**Complete if Known**

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Kolker, D. E.
Attorney Docket Number	15270J-005912US

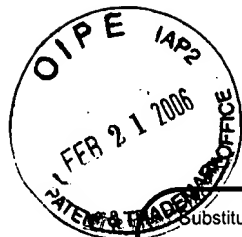
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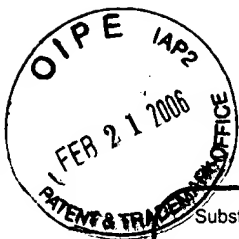
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